

Relative comparison

Analysis of Relative ppm values as read by MultiRAE compared to HAPSITE values at 417 S Canyon

Analyte Name	CAS Number	EPA Residential Air RSLs (ug/m3)	HAPSITE Final ppm	HAPSITE value converted to ug/m3	number times over in exceedance of RSL	number times over in exceedance of RSL (adjusted order of magnitude lower)	Comparison of relative concentrations of ppm MultiRAE results - converted to ug/m3		
							40 ppm relative	5 ppm relative	1 ppm relative
Benzene	71-43-2	0.36	0.0669	213.9	594.1	277.8	26.7	5.3	2.7
Cyclohexane	110-82-7	630	5.0426	17357.1	27.6	15.9	2169.6	433.9	217.0
Ethylbenzene	100-41-4	1.1	0.1403	609.1	553.8	90.9	76.1	15.2	7.6
Hexane	110-54-3	73	6.6578	23465.6	321.4	137.0	2933.2	586.6	293.3
Toluene	108-88-3	520	0.5083	1915.5	3.7	1.9	239.4	47.9	23.9
Xylene, P-	106-42-3	10	0.4699	2040.3	204.0	100.0	255.0	51.0	25.5

KEY

RED = MultiRAE relative results exceed EPA Residential Air RSLs

Grey = used for calculation

Relative comparison

analytes as measured at 40 converted to ug/m3		Concentration of analytes (HAPSITE) (mg/m3)	g/mol
250 ppb	100 ppb		
1.3	0.5	78.11	0.214
108.5	43.4	84.16	17.357
3.8	1.5	106.17	0.609
146.7	58.7	86.18	23.466
12.0	4.8	92.14	1.915
12.8	5.1	106.17	2.040